

DEPARTMENT OF PURCHASING & SUPPLY MANAGEMENT

12000 Government Center Parkway, Suite 427 Fairfax, Virginia 22035-0013

www.co.fairfax.va.us/dpsm

V I R G I N I A

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ADDENDUM NO 1

TO ALL PROSPECT	IVE BIDDERS:					
SUBJECT:	INVITATION NUMBER:	IFB04-672870-14				
	FOR: Video Distribution Sys	stem, Installation and Related Services				
	BID OPENING DATE: July	24, 2003 at 3:00 P.M.				
THE SUBJECT INVI	TATION FOR BID IS AMEND	ED AS FOLLOWS:				
1. Replace the	1. Replace the pricing schedule with the attached revised pricing schedule.					
ALL OTHER TERMS	S AND CONDITIONS REMAIN	I UNCHANGED.				
for fragling many	ed .					
Cathy A. Muse, CPP Director/County Purc						
Attachments: A/S						
THIS ADDENDUM IS INVITATION FOR BI		CONSIDERED TO BE PART OF THE SUBJECT				
SIGNATURE:		DATE:				
NAME OF FIRM:						

TWO SIGNED COPIES MUST BE RETURNED PRIOR TO BID OPENING OR MUST ACCOMPANY BID

Item No.	Item Description	Qty	UOM	Unit Price	Extension
1.	3655-004 OMNEON Media Server, a complete SDI/AES/embedded audio 4 in/8 Out server System, that will provide 200 Hours (or more)of MPEG2 at 8MB with 4 Channels audio, consisting of the following components (all components must include rackmounts): "B " Stock only for this item (Ref: Para 3.2, Special Provisions) Quantity: 1 a. Media Server 2101, OMNEON Model 2101 Quantity: 1 b. Networked Server Manager with	1	ST	\$	\$
	LCD Display and Keyboard, OMNEON Model NSM 2003 Quantity: 8 c. DV/MPEG Media Port, Embedded, OMNEON Model MIP 1001a Quantity: 4 d. DV/MPEG Plus Media Port, Embedded, OMNEON Model MIP1003a Quantity: 6 e. MediaPort Rack Mounting Tray, OMNEON Model MRT 2001				
	Quantity: 1 f. MediaStore Chassis with eight,146 Gbyte Drives (one (6+1+1)) RAID Set, OMNEON MSC 4171b Quantity: 2 g. Fibre Channel Cable Kit, HSSDC to HSSDC2 cable, 3m with HSSDC2 SFP, OMNEON Model FCA303-Cu Quantity: 1 h. Product Installation and Commissioning (Based on one 8 hour day)				

	Warranty Requirements: Two- year Manufacturer's Warranty to include 24 hour phone support, 24 hour Remote diagnostics, Repair (Parts and labor), advanced exchange/loaner, software updates. Standard Spec: Omneon (B Stock only) to include components listed above (No Substitute) Delivery:days after receipt of order. (Ref: Para 4.1, Special Provisions)			
2	Leitch Router, Integrator series routing switcher configured for 64 x 64 SDI video routing with embedded audio; consisting of the following components to form a complete routing system` Quantity: 1 a. Integrator 8 r.u. frame with dual SDI outputs 64x64ST8 Quantity: 1 b. Redundant Power supply INT-PS Quantity: 1 c. Redundant Logic Board INT-LOGIC Quantity: 1 d.Ethernet Control Panel RCP-ABA2E-Xyp Quantity: 6 e.Ethernet Control Panel RCP-ABA1E-Xyp Quantity: 1 f. Windows Router Control Software-Router Works, latest version. 398/400	1	ST	\$ \$

	Warranty Requirements: Two-Year Manufacturer's standard warranty required. Standard Spec: Leitch to include components listed above (No Substitute) Delivery:days after receipt of order. (Ref: Para 4.1, Special Provisions)			
3	2655-004 Leitch A to D, D to A frame sync & Mux, De-mux with noise reduction DPS-575 Warranty Requirements: Manufacturer's standard warranty required. Standard Spec: Leitch Part #DPS-575 (No Substitute) Delivery:days after receipt of order. (Ref: Para 4.1, Special Provisions)	1	EA	\$ \$
4	3655-004 Evertz 7700 series modular encoding and decoding system to include the following components: Quantity: 3 a. Evertz redundant power supply 7700PS Quantity: 3 b. Evertz Vistalink frame controller 7700FC Quantity: 1 c. Evertz Vistalink PRO monitoring and configuration software (full, latest version) VLPRO	1	ST	\$ \$

Quantity: 8 d. Evertz composite analog(NTSC) to SDI decoder w/frame synchronizer, four analog inputs embedded to SDI output and analog OSD monitoring (A to D conversion) 7735CDM-A4			
Quantity: 9 e. Evertz component SDI to composite analog(NTSC) converter w/ frame synchronizer and analog OSD monitoring with 4 channel audio demux (D to A conversion) 7735CEM-A4			
Quantity: 3 f. Evertz analog video distribution amplifier (VDA) 7700ADA			
Quantity: 3 g. Evertz Rack Frame 7700FR-C			
Quantity: 1 h. Evertz Vistalink network control panel 9000NCP			
Warranty Requirements: Manufacturer's standard warranty required.			
Standard Spec: Evertz to include components listed above (No Substitute)			
Delivery:days after receipt of order. (Ref: Para 4.1, Special Provisions)			

5	3655-004 Evertz 16-Window, Multi Viewer display package, multi-input; SDI, analog, and computer video, with analog and AES audio. Includes dynamic UMD/borders, status monitoring, audio monitoring and all required software for dynamic resizing and placement. 3000MVP-16-SD	1	EA	\$ \$
	Warranty Requirements: Manufacturer's standard warranty required.			
	Standard Spec: Evertz to include components listed above (No Substitute)			
	Delivery:days after receipt of order. (Ref: Para 4.1, Special Provisions)			
6	3655-004 NEC-Mitsubishi 19" LCD display, with black cabinet LCD1980SX	5	EA	\$ \$
	Warranty Requirements: Manufacturer's standard warranty required.			
	Standard Spec: NEC-Mitsubishi Part # LCD1980SX (No Substitute)			
	Delivery:days after receipt of order. (Ref: Para 4.1, Special Provisions)			
7	3655-004 Sony LCD projector consisting of the following components VPL-PX40	1	ST	\$ \$
	Quantity: 1 a. Projector unit, standard package with remote. Quantity: 1 b. Wide angle lens VPLL-FM22			

	Quantity: 1 c. Replacement lamp assembly LMP-P260 Warranty Requirements: Manufacturer's standard warranty required. Standard Spec: Sony Part # VPL-PX40 to include components listed above (No Substitute) Delivery:days after receipt of order. (Ref: Para 4.1, Special Provisions)			
8	3655-004 DA-LITE Rear projection screen, Da-Glas, DA-100 coating, high contrast tint, 50 ½ x 67 ¼ with self trimming frame Warranty Requirements: Manufacturer's standard warranty required. Standard Spec: DA-LITE as specified above (No Substitute) Delivery:days after receipt of order. (Ref: Para 4.1, Special Provisions)	1	EA	\$
9	3655-004 Analog way scan converter with SDI output XTD-620-D1 Warranty Requirements: Manufacturer's standard warranty required. Standard Spec: Analog Way Part #XTD-620-D1 (No Substitute) Delivery:days after receipt of order. (Ref: Para 4.1, Special Provisions)	4	EA	\$ \$

10	3655-004 Pinnacle Dekocast dual channel version, latest chassis w/dual power supplies, running Windows XP, to include the following components Quantity: 1 a. Dual channel DV25 streaming option, 3220clips	1	ST	\$ \$
	Quantity: 1 b. dual power supply option			
	Quantity: 1 c. Animated logo option, 322CAP000			
	Quantity: 1 d. Rackslide option			
	Quantity: 1 e. One day of training			
	Standard Spec: Pinnacle Dekocast to include components listed above (No Substitute)			
	Delivery:days after receipt of order. (Ref: Para 4.1, Special Provisions)			
11	3655-004 One-year Manufacturer's Gold Warranty support for all Dekocast hardware for item #10.	1	YR	\$ \$
12	655-004 Tektronix WVR600 waveform rasterizer to consist of the following components:	1	ST	\$ \$
	Quantity: 1 a. option DA			

	Quantity: 1 b. Service manual Warranty Requirements: Manufacturer's standard warranty required. Standard Spec: Tektronix Part #WVR600 to include components listed above (No Substitute) Delivery:days after receipt of order. (Ref: Para 4.1, Special Provisions)			
13	3655-004 Wohler audio monitor AMP1-SDA Warranty Requirements: Manufacturer's standard warranty required. Standard Spec: Wohler Part # AMP1-SDA (No Substitute) Delivery:days after receipt of order. (Ref: Para 4.1, Special Provisions)	2	EA	\$ \$
14	3655-004 Mackie Speakers HR-824 Warranty Requirements: Manufacturer's standard warranty required. Standard Spec: Mackie Part #HR-824 (No Substitute) Delivery:days after receipt of order. (Ref: Para 4.1, Special Provisions)	2	EA	\$ \$

	3655-004			
15	Sony 19" PVM20M4U Monitor to consist of the following components: Quantity: 2 a. BKM120D SDI interface Quantity: 2 b. Rackmounts (sliding not required) Quantity: 1 c. Service manual Warranty Requirements: Manufacturer's standard warranty required. Standard Spec: Sony Part # PVM20M4U to include components listed above (No Substitute) Delivery:days after receipt of order. (Ref: Para 4.1, Special Provisions)	2	SE	\$ \$
16	3655-004 Winsted console/workstation to consist of the following components: Quantity: 2 a. Winsted basic flat screen console, 36"w P5102 Quantity: 1 b. Winsted basic flat screen console, 52"w P5103 Quantity: 2 c. Winsted 45 degree base corner, 51200 Quantity: 4 d. Winsted intermediate frame 48" H, 51024 Quantity: 1 e. Winsted, one pair of Slimline frames w/Truform side- Truform color is Swiss Pear P5122 Quantity: 2 f. Winsted 18" D Truform shelf with brackets 36" - Truform color is Swiss Pear P5412 Quantity: 1 g. Winsted 18" D Truform shelf with brackets 52" - Truform color is Swiss	1	SE	\$ \$

Pear P5413		
Quantity: 2 h. Winsted wiring duct- black, 42752 Quantity: 3 i. Winsted 6 outlet for Slimline console P5150 Quantity: 2 j. Winsted 30"W monitor pan, Slimline P5135 Quantity: 1 k. Winsted 46"W monitor pan, Slimline P5137 Quantity: 4 l. Winsted flat screen mounting bracket SBRKT Quantity: 3 m. Winsted horizontal bracket support SBRKT Quantity: 6 n. Winsted adjustable vertical post SPOST		
Warranty Requirements: Manufacturer's standard warranty required.		
Standard Spec: Winsted Console/Workstation to include components listed above (No Substitute)		
Delivery:days after receipt of order. (Ref: Para 4.1, Special Provisions)		

17	3655-004 Canare BNC connectors, box of 100, BCP-C3F	4	Вох	\$ \$
	Warranty Requirements: Manufacturer's standard warranty required.			
	Standard Spec: Canare Part # BCP- C3F (No Substitute)			
	Delivery:days after receipt of order. (Ref: Para 4.1, Special Provisions)			
18	655-004 Canare L-3CFB digital video cable, 1000 ft, RED	2	Spool	\$ \$
	Warranty Requirements: Manufacturer's standard warranty required.			
	Standard Spec: Canare Part # L-3CFB/Red (No Substitute)			
	Delivery:days after receipt of order. (Ref: Para 4.1, Special Provisions)			
19	3655-004 Canare L-3CFB digital video cable, 1000 ft, Green	2	Spool	\$ \$
	Warranty Requirements: Manufacturer's standard warranty required.			
	Standard Spec: Canare Part # L-3CFB /Green (No Substitute)			
	Delivery:days after receipt of order. (Ref: Para 4.1, Special Provisions)			

20	655-004 Canare L-3CFB digital video cable, 1000 ft. BLUE	2	Spool	\$ \$
	Warranty Requirements: Manufacturer's standard warranty required.			
	Standard Spec: Canare Part # L- 3CFB/Blue (No Substitute)			
	Delivery:days after receipt of order. (Ref: Para 4.1, Special Provisions)			
21	3655-004 APC rackmount Smart UPS 1400XL with rackmounts	6	EA	\$ \$
	Warranty Requirements: Manufacturer's standard warranty required.			
	Standard Spec: APC Smart UPS 1400XL with rackmounts (No Substitute)			
	Delivery:days after receipt of order. (Ref: Para 4.1, Special Provisions)			
22	Nverzion station automation software and integration, providing installation, integration & software for full station automation as detailed below:	1	System	\$ \$
	 Applications shall be of latest design/version and upgrades & revisions shall be at no charge for at least three years from purchase. 			
	 The system will combine multiple applications, hardware, and control methods to create a single open and integrated station automation system. 			
	 The system will support a multi-channel and facility functions organized through various tape to disk operations, machine control solutions, and delivery operations. 			
	All applications must combine user- friendly interfaces with cut/copy/paste using Windows standard key			

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	functions.		
•	Operations and control must be frame and time code accurate.		
•	Application must have the ability to edit and configure events during transmission of all eight channels.		
•	All software will be required to incorporate accountability features generating debug, as-run and other necessary logs.		
•	Open database connectivity between applications must be in place insuring that all applications are current with the most recent and updated video media. The module must track the inventory of available media including videotapes, video server files, and so forth. Any changes to the FCPS inventory made by one application are communicated to all other running applications, including applications on other computers, through TCP/IP protocols.		
•	The automation system must be equipped with file transfer management systems.		
•	The automation system must actively and automatically retrieve feed schedules produced by the traffic system at a configurable time of day.		
•	The automation system must provide recorded and playback control to no less than four VCR's.		
•	The system must provide recording, playback, and media trimming control of an Omneon 2101 video file server. Twelve channels(four ingest, eight output) of I/O are required		
•	The automation system shall provide full control of a Leitch "Integrator" 64x 64 SDI video and embedded audio router (no audio/video breakaway).		
•	VCRs and server ports must be permitted and used by any given application for recording or playback.		
•	Automation should perform daily, weekly, repeating, and one-time recordings to VCRs and the video file server(s) based on the day of the week and time of the day.		
•	Content must be dubbed from the videotape to the video file server frame-		

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 accurately, with the ability to review files after encoding and must have the ability to trim them as necessary. System shall provide a "fail in place" architecture, that is, the failure of one program feed or other application should not affect the ability of other applications to perform their tasks. 	
Hardware/Software: All automation applications will run from standard Windows XP Professional operating systems upgraded with the most recent service packs. Applications shall consist of the current industry standard object oriented programming language C++.	
 Hardware and software are to be configured for real-time control and frame accuracy. Time & date must be derived from the controlling PCs'. 	
At least four PC's are to be provided by the automation vendor (two for ingest, two for playback other functions maybe combined) they will consist of the following: Asus A7V8X motherboard w/raid & 1 gigabit Ethernet on-board AMD XP2700 microprocessor 512M of KINGSTON PC2700 333MHz DDR memory Dual Maxtor 6Y120P0 120GB,7200rpm, 133 IDE hard drives Sony CRX-220E1 52x/24x/52x CD-RW drive ATI All-in-Wonder Radeon 8500, 128MB, AGP video card Microsoft USB optical Intellimouse Microsoft PS2 keyboard Enlight 2400SX3R 4ru rackmount chassis with 300w power supply 1.44MEG floppy drive Windows XP Professional	
The computers must operate with Microsoft Windows XP professional along with the most current service pack or revisions and be configured for raid "mirroring"	
In the event a computer needs serial control of more than two devices, eight-port serial breakout cards are	

	necessary. These PCI cards must be current models and are to be supplied by the automation integrator to meet the requirements of the automation system.
·	A time code reader card must be included to synchronize all supplied computers to the house GPS. These PCI cards must interface to the existing "Torpey Time" GPS receiver.
	It is the responsibility of the successful automation bidder that all control hardware, software, control interface wiring, and control connectors are supplied, installed and tested. (video/audio wiring will be installed by FCPS video engineers) The automation system must support, fully control, and be integrated with:
	o one Leitch "Integrator" 64x 64 SDI video and embedded audio router. (no audio/video breakaway) as detail in bid item #2
	o a two channel Pinnacle DekoCast master control switcher/server/bug generator as described in bid item #10
	o an Omneon MediaServer system as described in bid item # 1
	o one Panasonic Microcart playout system (already in use at FCPS)
	o two Panasonic DVCPRO AJ- D850 decks (already in use at FCPS)
	o two Panasonic DVCPRO AJ- D95dc decks (already in use at FCPS)
	o one Knox RS16x16HB routing switcher (to be used as an analog sub-router for A to D conversion)
Archi	ve System: The system shall be able, or upgradeable to fully control and utilize a 30 or greater Terabyte hard drive based archive system for both retrieval and storage.
Mach	nine and Router Control Module:

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 Control of each device (VCRs, video file server ports, etc.) must be performed by the machine control software module and must be wired by the vendor. 		
 The application must listen for machine control requests issued by other applications over an Ethernet connection. These requests are to execute using a dedicated serial connection to the appropriate device, and must allow multiple applications to use the same device. 		
 Machine control must also be configured to perform delegation. Individual devices can be assigned for control by the automation software only, by a specific automation application only, or exclusively by manual control. 		
 The machine controller must perform conflict resolution. For example, a VTR being used as an air source would be made unavailable to the VTR-to-server dub station. 		
 A single instance of the machine control software must control from one to sixteen devices. 		
 The machine controller must support router control. This software module listens for router switch requests over an Ethernet connection to the other automation applications, and performs requested takes using its serial connection to the router. The router controller must perform delegation and conflict resolution. 		
 The machine controller must support server control. Machine control with server control capabilities "reads" the play list currently loaded in the automation system and searches for events scheduled to be played from the video server. The machine controller supporting server control then queues the appropriate files in the video server. 		
 Communication to front end applications must use a standard TCP/IP protocol 		
 Machine control shall display a way for the operator to identify which front end applications are to use machine control software at a given moment. 		

Machine control methods shall support either RS422, RS232, or relay control.

Machine control system shall provide talk back (when available) to and from the

machine to ensure the requested activity
failed or executed.
 R-to-Server Dub Station The automation system must include the
ability to transfer content from a station's
existing videotape inventory to a video
file server.
The operator must have the ability to
load a videotape into the appropriate VCR(s), and enter the appropriate
information about the ingesting video clip
for the new video server file (clip name,
item number, kill date, etc.).
The operator must be able to control the
pre-roll duration for the VCR(s), the bit rate for the new file, and select the
correct audio channels. After the start
and end points for the new clip have been identified using the videotape's
time code, software will transport the
tape to the appropriate pre-roll point and
encode the new clip on the video server.
The operator must be able to use a
preview/trimmer window to play back the new file for confidence and integrity
checking.
The new file can also be trimmed to
remove unwanted frames from the head
and tail of the clip.
A single instance of the dub station can
control multiple sources and destinations
using the machine control application.
The dub station user interface should
allow the operator to specify if a new video file should be copied to a (future)
digital archive associated with the video
server.
The dub must provide import capability
for dub list provided by FCPS's existing traffic or database system.
Dub station must support frame accurate transfers.
FCPS must have the ability to remove content from the video file server- by file
or batch.
The dub station is to support variable
pre-roll, bit rates and formats (as
supported by the video file server) within
the system.
Immediate recordings or delayed
recordings at a given clock time shall be

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supported by the dub station.	
Standard jog and shuttle buttons mu be available from the PC's keyboard a directly in the GUI (Graphical Us Interface).	nd
Dub station must interact directly we the database management systemallowing drag and drop functionality.	
Router Event Scheduler	
System must include a router events scheduler to support time based route events, route video feeds to VCRs, vidifile servers, or other destination internally or externally.	er eo
The event scheduler should support at manage timed recordings to VCR video file servers, and other destination	S,
The software should use a seven-direction schedule to perform dail weekly, repetitive, and one-time even takes.	lý,
For each event in the schedule, the event scheduler shall route the appropriate source to its destination using the machine control software, at their initiates the recording using the same machine control system.	ne on on one of the control of the c
The event scheduler must interface FCPS's traffic or database system.	to
The list of events in the event scheduling software should allow operators schedule the events to be transferred well in advance.	to
Selection of server (software controlle record options such as bit rate, auc channels (1-4), and format (4:2:2/4:2: must be available from the GUI with display of selection or status.	lio 0)
The event scheduler should contain built in schedule builder and editor.	a
The editable event list shall provide f "ripple" of time for inserted items.	ull
The editable event list shall consist of the day of transfer, time of the take, sour of the take, material name, destination description and other note fields.	ce
The router event scheduler must intera directly with the systems database management system allowing drag are	se

drop function	nality.		
erver play list autom	ation		
 System must direct digital 	st have software that will feeds by serving them to air olled sequential order of		
automatically	tomation application must roll through video server or t and produce a continuous ed video		
	one DekoCast must be or on-air transitions and		
	st must be equipped with be edit and transmit the terial.		
lists to be loa	shall support multiple play aded at any one time so the ains continuous.		
interface to t stated above	t application must directly he machine control system e, giving the play list router e control abilities.		
necessary fu	shall be equipped with the inctions to manage multiple of file servers, and all other vices.		
control on th	e should allow programming ne fly, even if the schedule ported and mounted.		
Content sha before broad	all have a preview option dcast.		
directly in th functions r	me code has been edited e play list, time calculation nust be automated to the time code.		
	must generate an as run log system and reconciliation.		
The play lis report missing	t shall have the ability to g content.		
column nam should be o	e application including color, les and order they appear configurable. Multi-channel and single-channel operation e available.		
drop functior required. Na Microsoft "XI	onnectivity and drag and nality from the database are mes shall follow standard of and Omneon convention, ntries blocked or indicated.		

 The play list automation shall have a built in play list editor and full time ripple on inserted items. 		
 All installation work must meet or exceed all industry, FCPS and Fairfax County standards and regulations. 		
 All work must be performed in a neat workman like manner. 		
 Must include a minimum 1.5 days of onsite training after installation completion. 		
 A minimum half-day on-site follow-up visit will be required 3 months after the install on a mutually agreeable date, for bug elimination and further training. 		
Standard Spec: As listed Above (No Substitute)		
Delivery:days after receipt of order.		
(Ref: Para 4.1, Special Provisions)		
Total Amount of Bid		\$

The following documents which are included in this Solicitation shall be incorporated by reference in the resulting contract and become a part of said contract:

- A. County of Fairfax Cover Sheet (DPSM30)
- B. Special Provisions & Specifications
- C. Appendix A (General Conditions)
- D. Appendix B (Pricing Schedule, COG Rider, SBE Schedule and Subcontractors Notification Form)
- E. Listing of Potential Subcontractors -see web page: www.fairfaxcounty.gov/dpsm/solic.htm

CONTACT FOR ADMINISTRATION:	
NAME:	
ADDRESS: (Office)	
TELEPHONE/FAX: (Office)	
E-MAIL:	
PAY TO ADDRESS: (If different from Firm address on Cover Sheet)	